

IN THE CLAIMS

1. (Previously amended) A method for determining peak altitude of a moving sportsman, comprising:

viewing the sportsman through a digital camera;  
assessing frames of data provided by the digital camera to locate motion within the frames of data; and  
determining the peak altitude by comparing the highest point of motion by the sportsman within the frames of data to a reference object.

2. (Original) A method of claim 1, further comprising the steps of sending the frames of data to a computer through a data link and evaluating the frames of data to determine motion within the frames.

3. (Original) A method of claim 2, further comprising the step of automatically determining a motion track of the sportsman through time.

4. (Original) A method of claim 3, further comprising the step of determining airtime from the track.

5. (Currently Amended) A method of claim 4, wherein the camera comprises a digital camcorder ~~and wherein the link comprises a Firewire connection.~~

6. (Original) A method of claim 3, further comprising the step of determining the speed of the sportsman by evaluating physical movement of the sportsman through successive frames of data.

7. (Previously amended) A method of claim 1, further comprising the step of capturing the frames of data at least 30Hz.

8. (Previously amended) A method of determining the airtime of a moving sportsman, comprising the steps of mounting a radio beacon on the sportsman, monitoring the location of the sportsman through triangulation to determine the location of the sportsman over time, and determining the airtime from the location over time.

9. (Previously amended) A method of claim 8, further comprising determining a peak speed of the sportsman during motion of the sportsman by evaluating the location through successive time intervals.

10. (Previously amended) A method of claim 8, further comprising determining a final speed of the sportsman just prior to a landing by determining a final speed of the sportsman just prior to the landing.

11. (Previously amended) A method of claim 8, further comprising determining the airtime of the sportsman by evaluating the motion of the sportsman through the air from a first ground location to a landing location.

12. (Previously added) A method of claim 7, further comprising the step of capturing the frames of data at more than 60Hz.